

WHAT IS CLAIMED IS:

1. A steerable suspension system, comprising:

5 an axle assembly including an axle beam made of composite material, and
a king pin receiver attached at an end of the axle beam.

2. The steerable suspension system according to claim 1, wherein the
king pin receiver is a portion of a device attached at the end of the axle beam, the
10 device being formed separately from the axle beam prior to being attached to the
axle beam.

3. The steerable suspension system according to claim 2, wherein the
device is made of composite material.

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4. The steerable suspension system according to claim 2, wherein the
device is made of metal.

5. The steerable suspension system according to claim 2, wherein the
20 device includes an axle seat complementarily shaped relative to the axle beam.

6. The steerable suspension system according to claim 5, wherein the axle seat is bonded to the axle beam.

7. The steerable suspension system according to claim 2, wherein the
5 device includes a first attachment for a first pivoting arm.

8. The steerable suspension system according to claim 7, wherein the device further includes at least a portion of a second attachment for a second pivoting arm.

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9. The steerable suspension system according to claim 2, wherein the device is constructed of attached metal plates.

10. The steerable suspension system according to claim 2, wherein the
15 device is constructed of molded composite material.

11. The steerable suspension system according to claim 10, wherein the device molded composite material is wrapped about the king pin receiver.

12. The steerable suspension system according to claim 2, wherein the
20 device includes a pivoting arm attachment, and an axle seat complementarily

shaped relative to the axle beam, and wherein the king pin receiver, axle seat and pivoting arm attachment are integrally formed in the device.

13. The steerable suspension system according to claim 1, wherein the
5 axle beam has at least a portion of an attachment for a pivoting arm attached to the axle beam.

14. The steerable suspension system according to claim 13, wherein the
pivoting arm attachment includes a reinforcement spanning an interior of the
10 axle beam.

15. The steerable suspension system according to claim 14, wherein a
fastener for the pivoting arm attachment extends through the reinforcement.

15 16. The steerable suspension system according to claim 1, wherein the
king pin receiver is made of composite material.

17. The steerable suspension system according to claim 16, wherein the
axle assembly further includes a pivoting arm attachment made of composite
20 material.

18. The steerable suspension system according to claim 17, wherein the axle beam, king pin receiver and pivoting arm attachment are integrally formed.

19. The steerable suspension system according to claim 17, wherein the
5 axle beam, king pin receiver and pivoting arm attachment are molded as a single piece.